



CS 319 - Object-Oriented Software Engineering
Fall 2023

Deliverable 2

Activity Diagrams
State Diagrams
Class Diagram
Sequence Diagram
Mockup

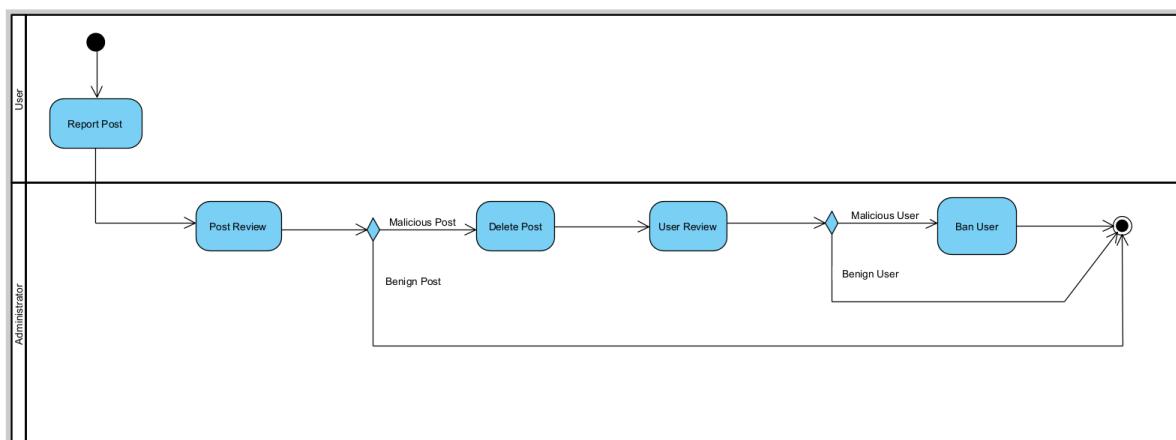
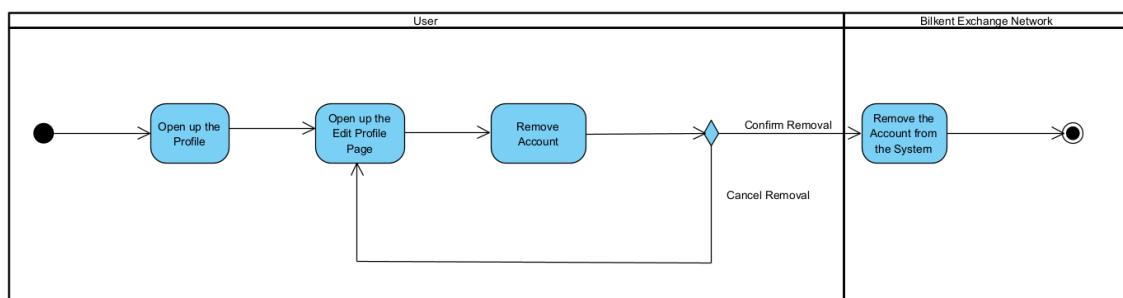
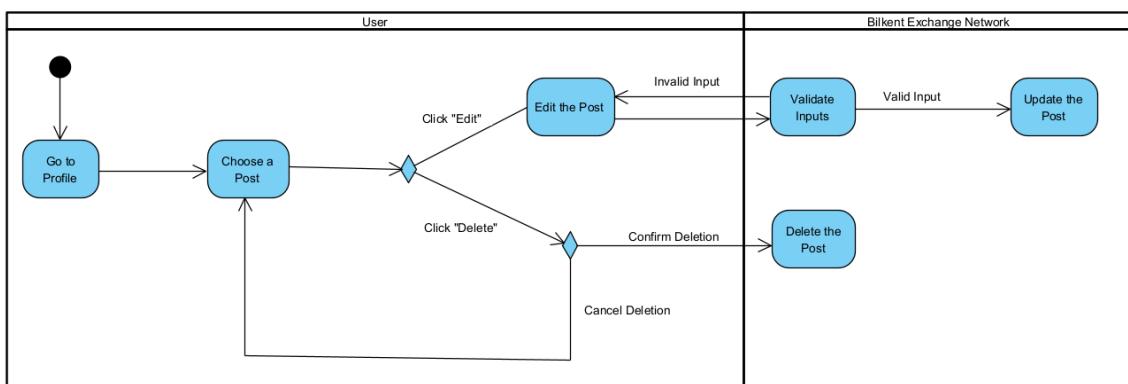
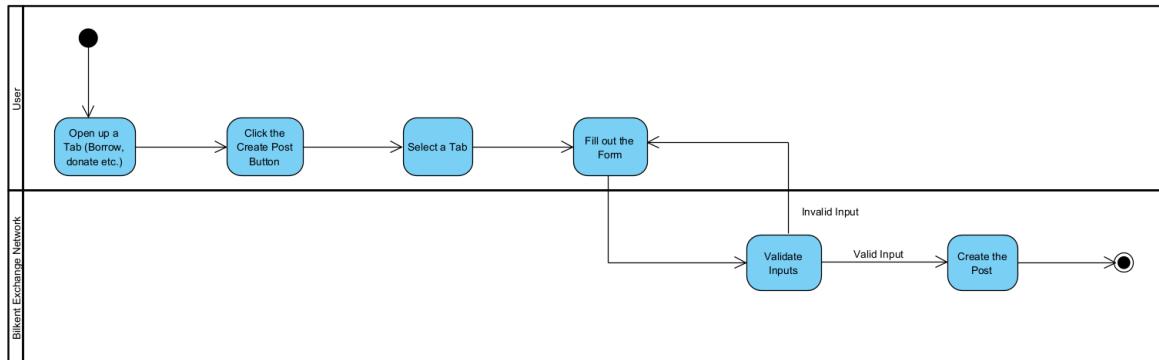
Team 5

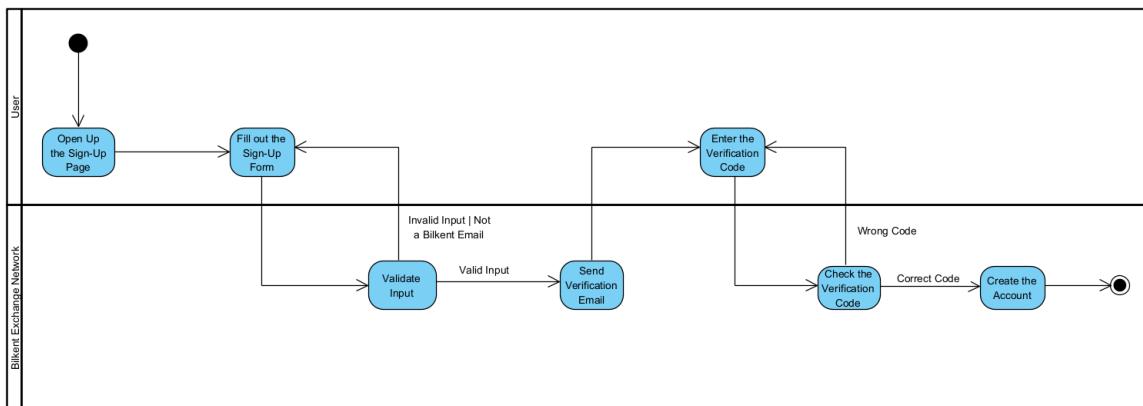
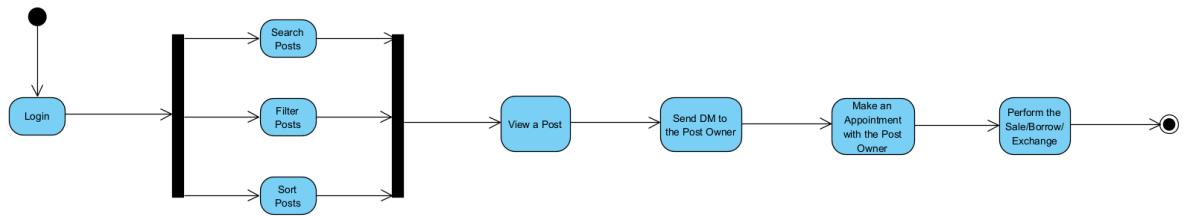
Cahit Ediz Civan (22003206)
Efe Kaan Fidancı (22102589)
Emir Tuğlu (22003165)
Görkem Kadir Solun (22003214)
Mete Enes Yılmaz (22102849)

Table of Contents

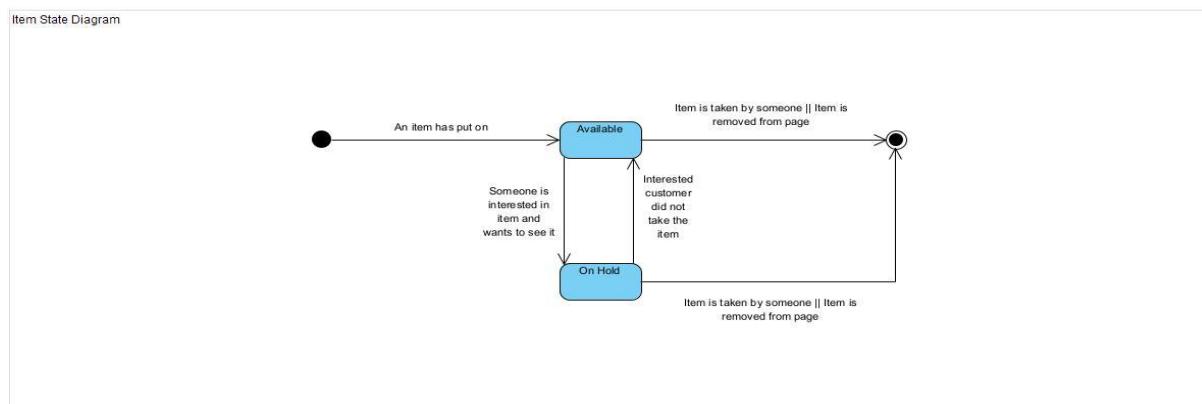
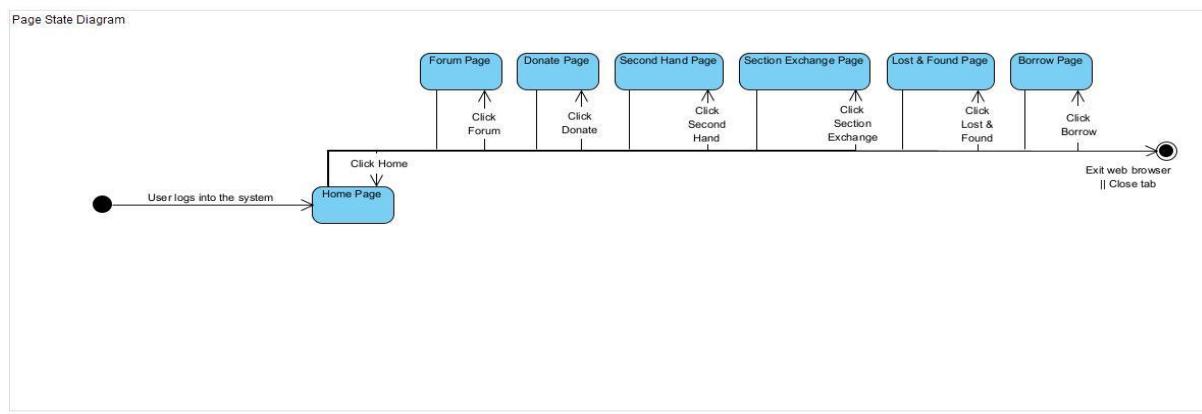
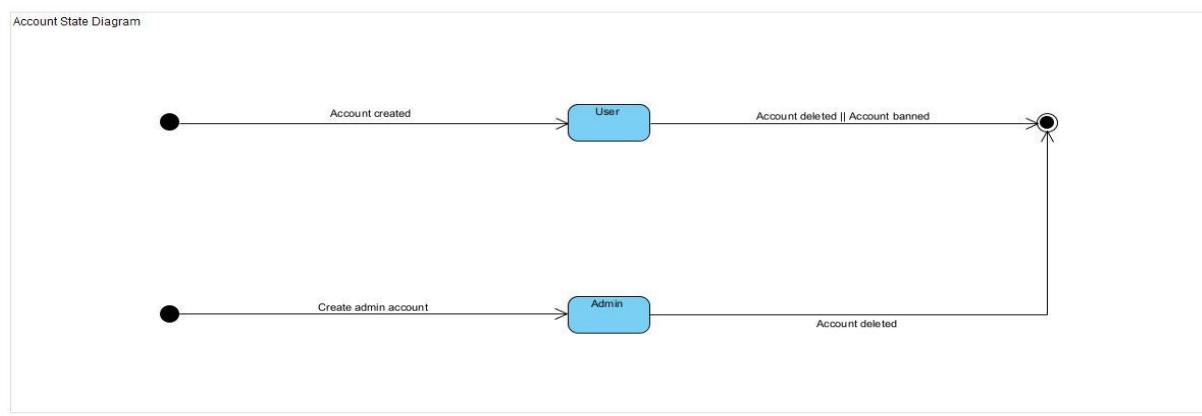
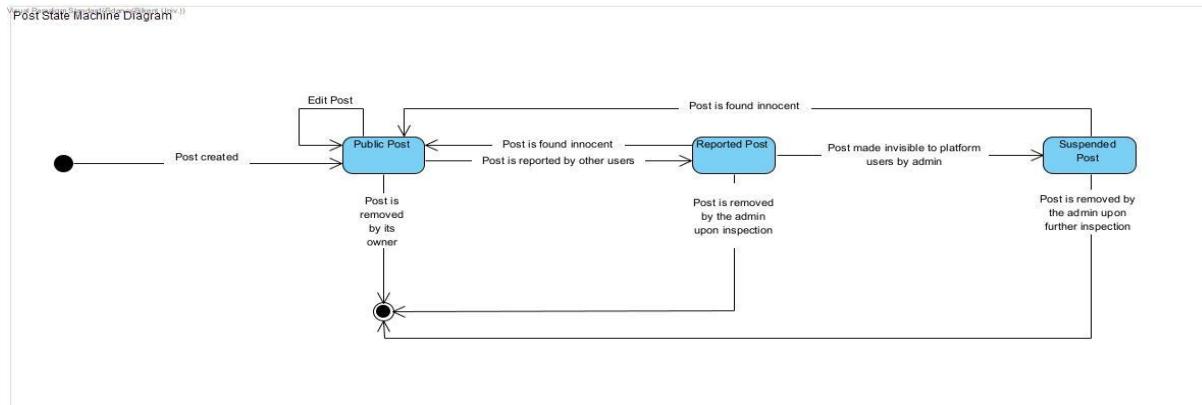
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Activity Diagrams

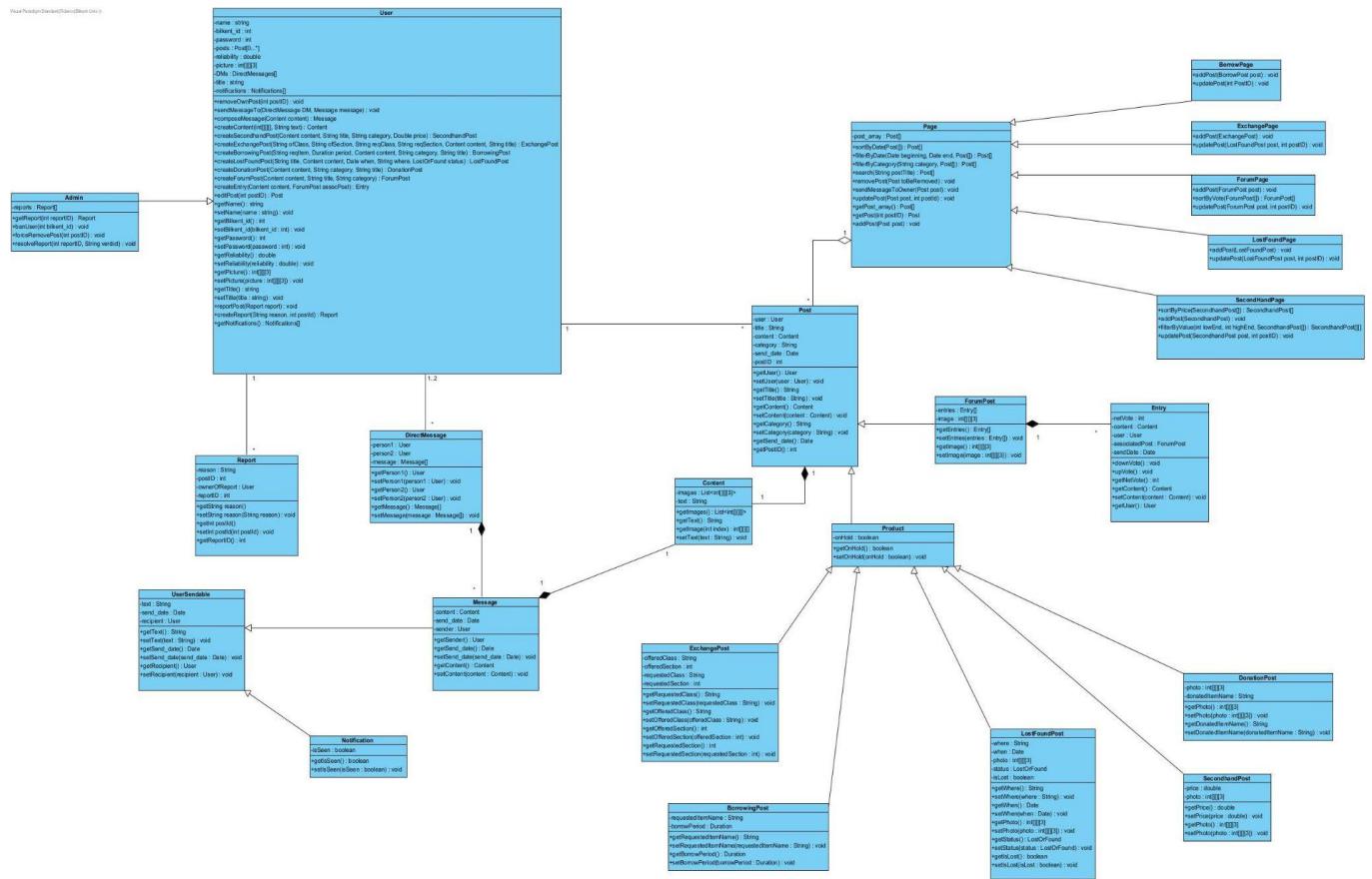




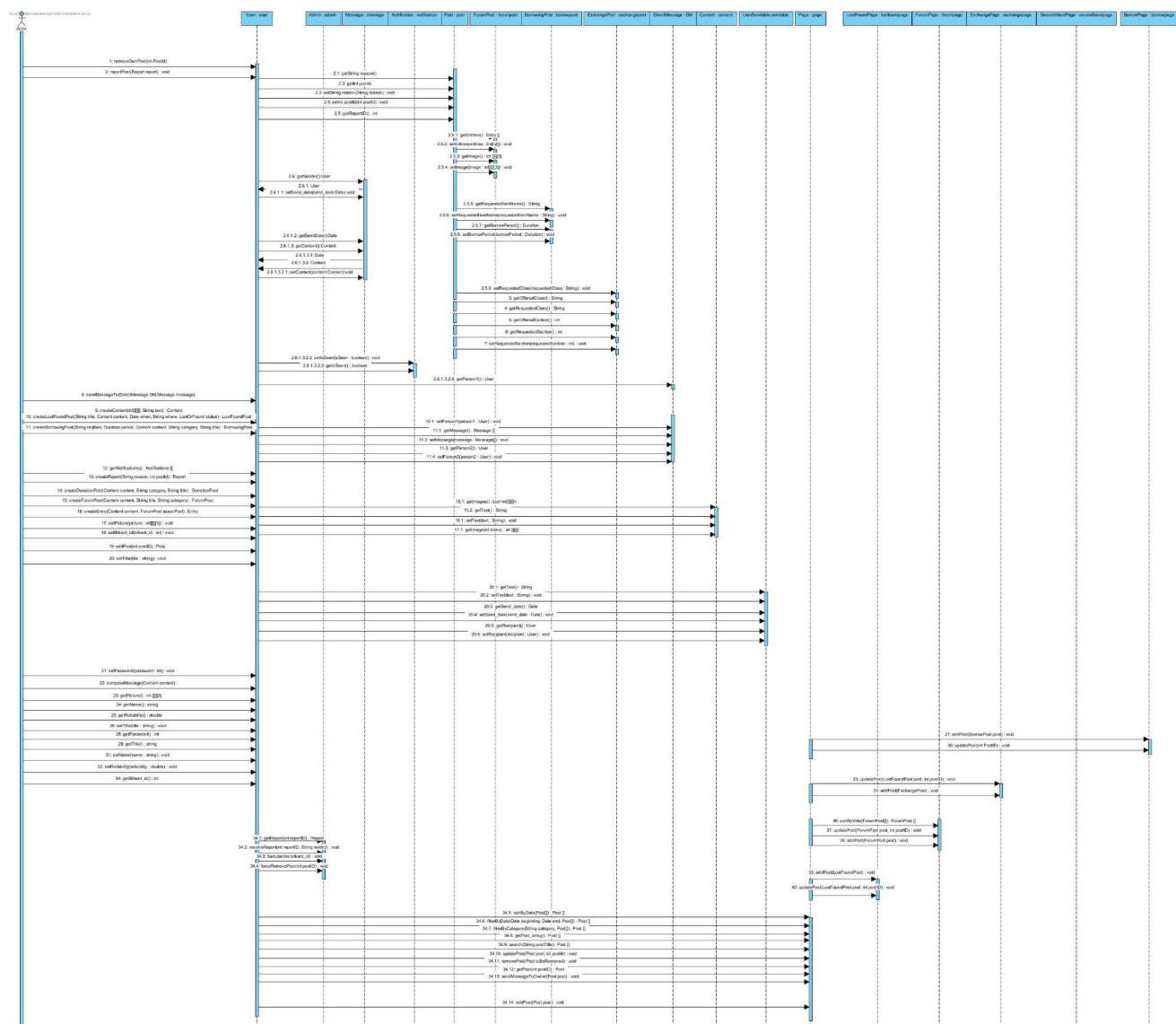
State Diagrams



Class Diagram

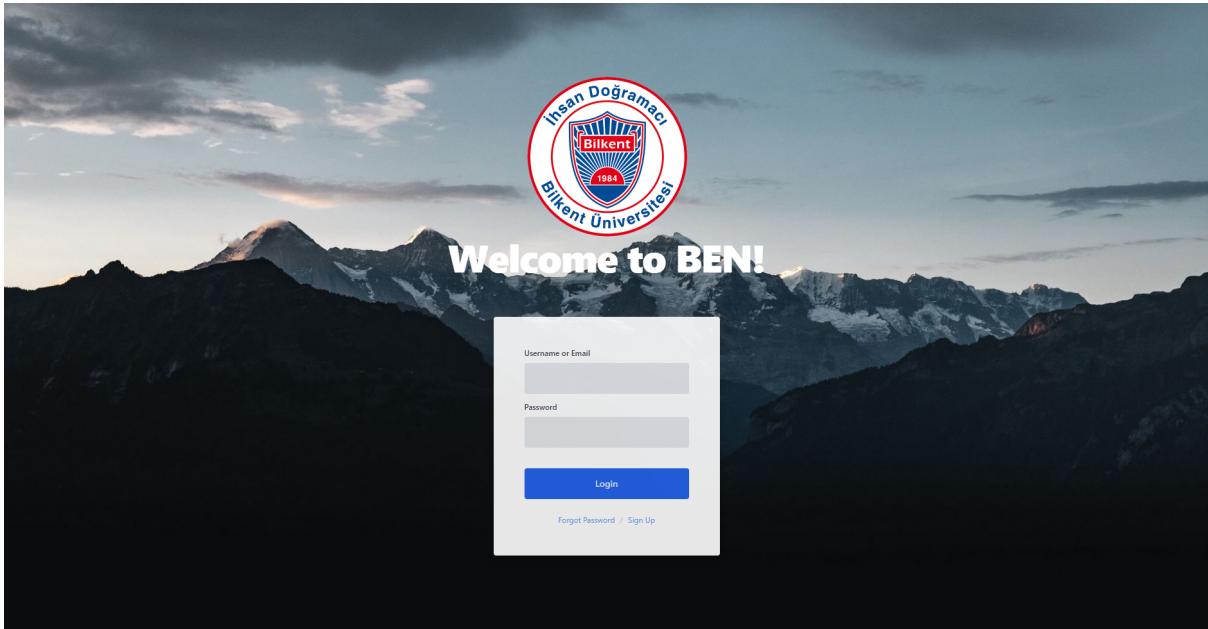


Sequence Diagram

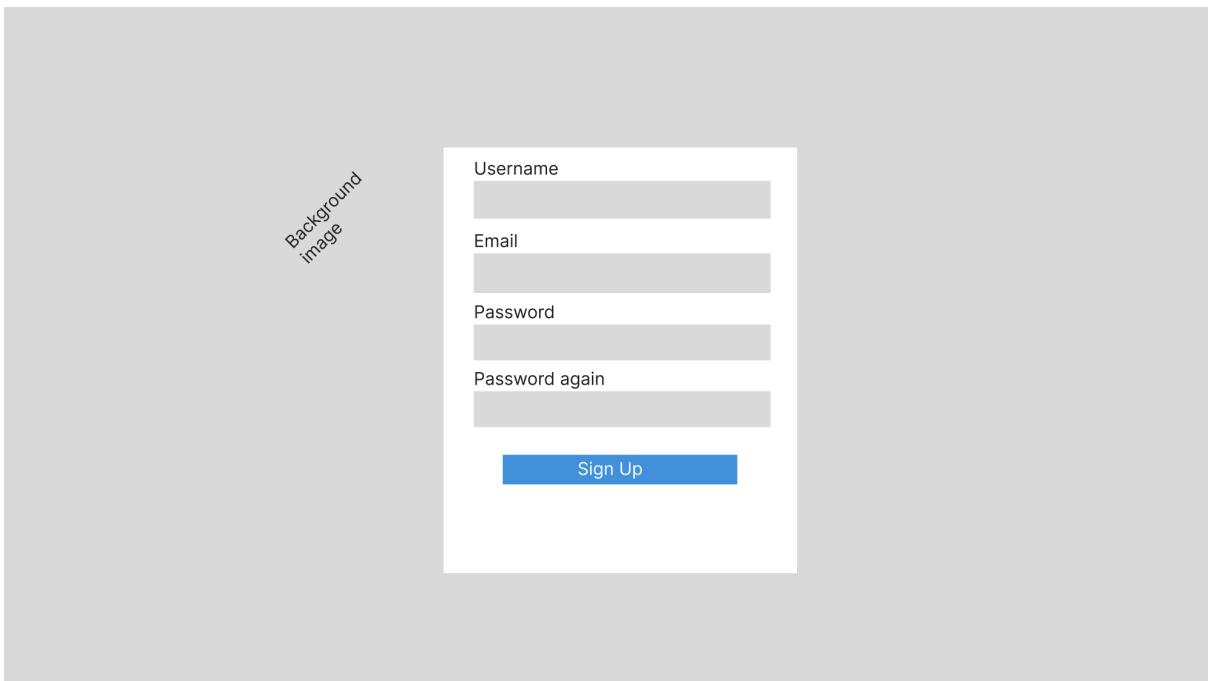


Mock Up

Login page



Sign Up



Sign Up Code



Main

Bilkent Exchange Network

Secondhand Lost & Found Donate Borrow Section Exchange Forum

User image Username

Messages

Secondhand

The screenshot shows the Bilkent Exchange Network homepage. At the top, there are navigation links: Secondhand, Lost & Found, Donate, Borrow, Section Exchange, Forum, and a user icon with 'User Image' and 'Username'. Below the header is a sidebar with 'Categories' (Electronics, Home and Kitchen, Books, Math, Computer Science, Physics) and 'Price' filters (Min, Max, Go). A 'Time Frame' section includes 'Start - End' and a 'Go' button. The main content area features a search bar with 'Sort By' dropdown and a 'Create Post' button. The results show four items, each with a 'Book Image' placeholder, 'Title', 'Date' (Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor...), 'Price' (Price), and a 'Details' button.

Secondhand Post

Edit Secondhand Post

Bilkent Exchange Network

User Image Username

Secondhand Lost & Found Donate Borrow Section Exchange Forum

Categories

- Electronics >
- Home and Kitchen >
- Books >
- Math
- Computer Science
- Physics

Price

Min Max Go

Time Frame

Start - End Go

Title

Edit

Submit Delete

Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

3000

Image_1 Image_1 Add New Image + Book Add New Label + Labels

Messages

Lost and Found

Bilkent Exchange Network

User Image Username

Secondhand Lost & Found Donate Borrow Section Exchange Forum

Categories

- Electronics >
- Home and Kitchen >
- Books >
- Math
- Computer Science
- Physics

Lost and Found

Lost Found

Time Frame

Start - End Go

Search Sort By

Create Post ↗

Book Image Lost Book

Book Image Found Book

Title Date

Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor... Date Lost Details

Title Date

Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor... Date Found Details

Messages

Lost and Found Post

The screenshot shows the Bilkent Exchange Network website. At the top, there's a navigation bar with links for Secondhand, Lost & Found, Donate, Borrow, Section Exchange, Forum, User Profile, and Username. Below the navigation is a sidebar with 'Categories' (Electronics, Home and Kitchen, Books, Math, Computer Science, Physics) and sections for Lost and Found (Lost, Found) and Time Frame (Start, End, Go). The main area features a post creation form with fields for Title, Book Images (with three preview thumbnails), and a large text area containing placeholder text about labor rights. A 'Create Post' button is at the bottom right. On the right side, there's a vertical sidebar with a 'Messages' section.

Edit Lost and Found Post

Bilkent Exchange Network

User image Username

Secondhand Lost & Found Donate Borrow Section Exchange Forum

Categories

- Electronics >
- Home and Kitchen >
- Books
- Math
- Computer Science
- Physics

Lost and Found

Lost Found

Time Frame

Start - End **Go**

Title

Edit

Title **Submit** **Delete**

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! <img alt="Delete icon" data-bbox="755 9885 7

[Donate](#)

Bilkent Exchange Network

User image Username

Secondhand Lost & Found Donate Borrow Section Exchange Forum

Categories

- Electronics
- Home and Kitchen
- Books
- Math
- Computer Science
- Physics

Time Frame

Start - End Go

Search Sort By Create Post >

Book image Book image

Title Date

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor...

Details Details

Messages

Donate Post

Bilkent Exchange Network

User image Username

Secondhand Lost & Found Donate Borrow Section Exchange Forum

Categories

- Electronics
- Home and Kitchen
- Books
- Math
- Computer Science
- Physics

Time Frame

Start - End Go

Title

Book images Book Images Book Images

! ⚙ ✖ Date

Create Post >

Book User image Username

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Messages

Edit Donate Post

Bilkent Exchange Network

User image Username

Secondhand Lost & Found Donate Borrow Section Exchange Forum

Categories

- Electronics >
- Home and Kitchen >
- Books
- Math
- Computer Science
- Physics

Time Frame

Start - End Go

Title

Edit

Submit Delete

Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Image_1 Image_1 Add New Image + Book Add New Label + Labels

Messages

Borrow

Bilkent Exchange Network

User image Username

Secondhand Lost & Found Donate Borrow Section Exchange Forum

Categories

- Electronics >
- Home and Kitchen >
- Books
- Math
- Computer Science
- Physics

Time Frame

Start - End Go

Search

Sort By

Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore
Book Date Username

Lore ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore
Book Date Username

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Book Date Username

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Book Date Username

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Book Date Username

Messages

Edit Borrow Post

Section Exchange

Edit Section Exchange Post

Bilkent Exchange Network

User Image Username

Secondhand Lost & Found Donate Borrow Section Exchange Forum

Create Post >

Give

- Comp Sci
- Arch
- Math
- Math 101
- Math 102
- Math 230

Take

- Comp Sci
- Arch
- Math
- Math 101
- Math 102
- Math 230

Time Frame

Start - End Go

Search Sort By

Lorum ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Edit **Submit** **Delete** X

Give **Take**

<input checked="" type="checkbox"/> Math	<input checked="" type="checkbox"/> Math 101	<input checked="" type="checkbox"/> Math	<input checked="" type="checkbox"/> Math 101
Arch	Math 102	Arch	Math 102
Phys	Math 230	Phys	Math 230
Cs	Math 240	Cs	Math 240

Section No Section No

Messages

Forum

Bilkent Exchange Network

User Image Username

Secondhand Lost & Found Donate Borrow Section Exchange Forum

Create Post

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Messages

Edit Forum Post

Bilkent Exchange Network

Secondhand Lost & Found Donate Borrow Section Exchange Forum

User Image Username

Search Sort By Create Post

Post 1: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Post 2: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Post 3: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Actions: Edit, Delete, Submit

Messages

Forum Post and Entries

Bilkent Exchange Network

Secondhand Lost & Found Donate Borrow Section Exchange Forum

User Image Username

Post: **Post 1:** **X** **Create Post >**

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt. Neque porro quisquam est, qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit, sed quia non numquam eius modi tempora incidunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

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Entry: Enter Entry **Submit**

Messages

Edit entry

The screenshot shows the Bilkent Exchange Network website. At the top, there is a navigation bar with links for "Secondhand", "Lost & Found", "Donate", "Borrow", "Section Exchange", and "Forum". On the right side of the top bar are "User Image" and "Username" fields, along with a gear icon for settings. Below the navigation bar, a large blue button on the right says "Create Post >". The main content area features a post box with a title "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna" and a close button "X". The post content is a long block of Latin placeholder text. To the left of the post are up and downvote arrows with the number "10" between them. To the right of the post are "Edit", "Delete", and "Submit" buttons. A "Date" timestamp is also visible. Below the main post, there is a smaller, grayed-out section containing another block of Latin placeholder text, also with up and downvote arrows and a timestamp.

Create Post Button

The screenshot shows the Bilkent Exchange Network homepage. At the top, there are navigation links: Secondhand, Lost & Found, Donate, Borrow, Section Exchange, and Forum. On the right side, there are user-related icons for User Image and Username, as well as a gear icon for settings.

Categories

- Electronics
- Home and Kitchen
- Books
- Math
- Computer Science
- Physics

Price

Min Max **Go**

Time Frame

Start - End **Go**

Search

Sort By

Create Post

Secondhand
Lost and Found
Donate
Borrow
Section Exchange
Forum

The main content area displays four search results for books, each with a placeholder image labeled "Book Image". Each result includes fields for Title, Date, and Price, followed by a "Details" button.

Title	Date	Price	Details
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor...			
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor...			
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor...			
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor...			

Create Secondhand Post

Bilkent Exchange Network

Secondhand Lost & Found Donate Borrow Section Exchange Forum

User image Username

Create Secondhand Post

Title

3000

Image_1 Image_1 Add New Image + Book Add New Label + Labels

Submit Messages

Create Post ▾

- Secondhand
- Lost and Found
- Donate
- Borrow
- Section Exchange
- Forum

Create Lost and Found Post

Bilkent Exchange Network

Secondhand Lost & Found Donate Borrow Section Exchange Forum

User image Username

Create Lost and Found Post

Title

3000

Image_1 Image_1 Add New Image + Book Add New Label + Labels

Found Lost

Submit Messages

Create Post ▾

- Secondhand
- Lost and Found
- Donate
- Borrow
- Section Exchange
- Forum

Create Donate Post

Bilkent Exchange Network

Secondhand Lost & Found Donate Borrow Section Exchange Forum

Used image Username

Create Donate Post

Title

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Image_1 Image_1 Add New Image + Book Add New Label + Labels

Submit Messages

Create Borrow Post

Bilkent Exchange Network

Secondhand Lost & Found Donate Borrow Section Exchange Forum

Used image Username

Create Borrow Post

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Book Add New Label + Labels

Submit Messages

Create Section Exchange Post

Bilkent Exchange Network

User Image Username

Secondhand Lost & Found Donate Borrow Section Exchange Forum

Create Section Exchange Post

Give

Math
Arch
Phys
Cs

Take

Math 101
Math 102
Math 230
Math 240

Math
Arch
Phys
Cs

Math 101
Math 102
Math 230
Math 240

Section No

Section No

Submit

Messages

Create Post ▾

Secondhand
Lost and Found
Donate
Borrow
Section Exchange
Forum

Create Forum Post

Bilkent Exchange Network

User Image Username

Secondhand Lost & Found Donate Borrow Section Exchange Forum

Create Forum Post

Title

Section Exchange

Math 101
Math 102
Math 230
Math 240

Math
Arch
Phys
Cs

Math 101
Math 102
Math 230
Math 240

Section No

Submit

Messages

Create Post ▾

Secondhand
Lost and Found
Donate
Borrow
Section Exchange
Forum

Report Post

Bilkent Exchange Network

Secondhand Lost & Found Donate Borrow Section Exchange Forum

User image Username

Categories

- Electronics >
- Home and Kitchen >
- Books
- Math
- Computer Science
- Physics

Price

Min Max Go

Time Frame

Start - End Go

Book images

Book

Title

Report

Date

Create Post >

Submit

3000

Book

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Messages

Messages

Bilkent Exchange Network

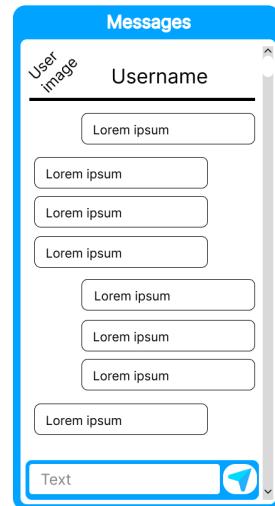
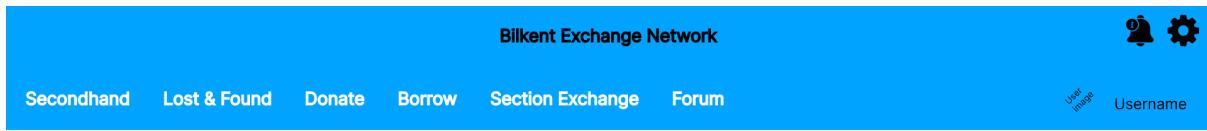
Secondhand Lost & Found Donate Borrow Section Exchange Forum

User image Username

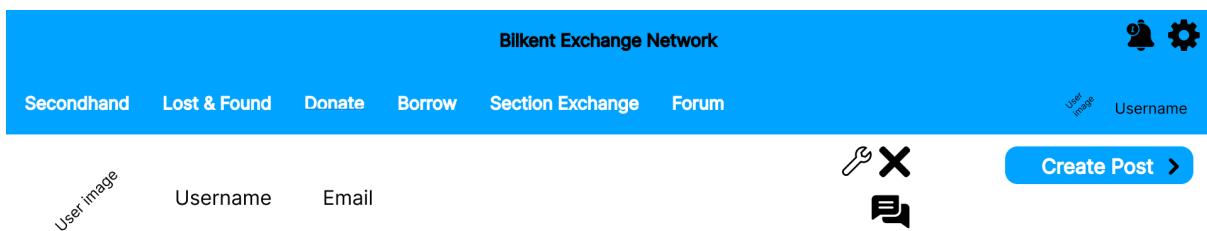
Messages

User image	Username	Last Message ...
User image	Username	Last Message ...
User image	Username	Last Message ...
User image	Username	Last Message ...
User image	Username	Last Message ...
User image	Username	Last Message ...

Messaging



Profile



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